

## ABSTRACT

An fD detector 104 detects a maximum Doppler frequency from a received signal and outputs to a schedule creating section 105. The schedule creating  
5 section 105 determines, for each user, a time (or order) at which to transmit packet data thereto from the maximum Doppler frequencies detected by the fD detector 104, and outputs to a switch circuit 107 and a multiplexing  
section 108 schedule information indicating these times  
10 at which to transmit the packets of data. The switch circuit 107 sequentially outputs the packets of data to be transmitted to the respective users to an encoding section 109 according to the schedule created by the  
schedule creating section 105. The multiplexing section  
15 108 multiplexes the schedule for transmitting the packets of data, output from the schedule creating section 105 and control data necessary for transmitting packet data on a common channel, and outputs to the encoding section 109.